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Embedded System Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2015 – 2021

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Global Embedded System Market is expected to reach USD 233.13 billion in 2021

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REPORT DESCRIPTION

Embedded System Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2015 - 2021

An embedded system is a combination of software and hardware which together facilitate the accurate functioning of a target device. The significant characteristics of an embedded system are speed, power, size, accuracy, reliability and adaptability. Embedded systems can be defined as application-specific, special purpose systems and they are designed typically for meeting real time constraints. These systems are used across a diverse range of application areas which include automotive, space, aeronautics, rail, electronic payment solutions, and mobile communication among others. The global embedded system market has been segmented on the basis of functionality, microcontroller, applications and geography. A cross sectional study of the global embedded system market broadly across four geographical segments has also been covered under the scope of the study.

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Many factors, such as increasing application of embedded systems in the automobile industry, increasing demand for embedded systems with multi-core technologies and embedded graphics are driving the growth of embedded systems market. Moreover, increasing demand for smarter and power efficient electronic devices has significantly increased the demand for the embedded systems over the last decade. Since embedded systems are core of smart products, increasing demand for these devices has been resulting in growing penetration of embedded hardware and software. Growing demand for multimedia products and portable computing devices is boosting the growth of the global embedded system market. In addition, the healthy economic growth of emerging markets such as those in the Taiwan, China, and India is also fueling the growth of latest technologies, which is in turn, driving the demand for embedded systems. The conjoint effect of all these trends and drivers is thus set to boost the growth of the global embedded system market during the forecast period from 2015-2021.

The growth of Internet of Things (IoT) is changing the nature of the devices which are attached and their data into an object oriented paradigm. This has opened up an avenue for a software system namely embedded Java to be the natural means of control, development and interaction. Embedded sensors, NFC (near-field communication) payment, and image recognition technologies are key IoT elements that are embedded in mobile devices. Currently, the adoption

of the Internet of Things is widespread and it is expected to expand in the near future, which can be largely attributed to advancements in the underlying technology. This is expected to offer potential growth opportunity to the global embedded system market.

The competitive profiling of the key players in the global embedded systems market and their market shares across four major geographic regions which include North America, Europe, Asia Pacific (APAC) and Rest of the World (RoW) has been exhaustively covered under the purview of the study. Moreover, the distinct business strategies that have adopted by the major players in the market have also been included in the report. For providing a detailed insight into the global embedded system market, the market attractive analysis has been provided in the report.

A comprehensive analysis of market dynamics, which include the market drivers, restraints and opportunities, is included under the scope of the report. Market dynamics are the distinctive factors that influence the growth of the specific market and therefore help to study the current trends in the global market. Thus, this report provides an inclusive study of the global embedded system market and also provides the forecast of the market for the period from 2015-2021.

Some of the major players in the market are: Atmel Corporation (U.S.), Freescale Semiconductor, Inc. (U.S.), HCL Technologies, Ltd. (India), Intel Corporation (U.S.), Infosys, Ltd. (India), Infineon Technologies AG (Germany), Microsoft Corporation (U.S.), NXP Semiconductors (Netherlands), Renesas Electronics Corporation (Japan), and Texas Instruments, Inc. (U.S.) among others.

The global embedded system market has been segmented into:

The market has been segmented as follows:

Embedded system market, by Functionality

- Stand alone embedded systems

- Real time embedded systems

- Networked embedded systems

- Mobile embedded systems

Embedded system market, by Microcontroller

- Small scale embedded systems

- Medium scale embedded systems

Large scale embedded systems

Embedded system market, by Types

Embedded Hardware

Embedded Software

Embedded system market, by Application

Automotive

Telecommunication

Healthcare

Industrial

Consumer electronics

Aerospace and defense

Others

Embedded system market, by Geography: The market is broadly segmented on the basis of geography into:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

Italy

France

Rest of Europe

Asia Pacific

China

India

Japan

Oceania

Rest of Asia Pacific

Rest of the World

South America

Middle East and Africa (MEA)

Africa

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